North American Numbering Council
Meeting Minutes
January 24, 2006 (Final)

I. Time and Place of Meeting. The North American Numbering Council (NANC) held a meeting commencing at 9:30 a.m., at the Federal Communications Commission, 445 12th Street, S.W., TW-C305, Washington, D. C.

II. List of Attendees.

Voting Council Members:

1.	Robert Atkinson	Chairman
2.	Mark Lancaster	AT&T
3.	Fred McCallum, Jr.	BellSouth
4.	Michael Altschul	CTIA
5.	Jason Oxman	CompTel
6.	Beth O'Donnell	Cox Communications, Inc.
7.	Dena Hunter	Level 3 Communications, LLC
8.	Peter Pescosolido	NARUC – Connecticut
9.	Michael Balch	NARUC – Iowa
10.	Don Gray	NARUC – Nebraska
11.	Christine Sealock Kelly	NARUC – New York
12.	Natalie Billingsley	NASUCA – California
13.	Philip McClelland	NASUCA - Pennsylvania
14.	Jerome Candelaria	NCTA
15.	Ray Strassburger	Nortel Networks
16.	C. Courtney Jackson	OUR - Jamaica
17.	Mary Retka	Qwest
18.	Rosemary Emmer	Sprint Nextel
19.	Anna Miller	T-Mobile USA, Inc.
20.	Thomas Soroka, Jr.	USTA
21.	Douglas P. Sullivan	Verizon

Special Members (Non-voting):

John Manning	NANPA
Jean-Paul Emard	ATIS
Amy Putnam	PA
Garth Steele	Welch & Company

Commission Employees:

Marilyn Jones, Alternate DFO
Deborah Blue, Assistant to the DFO
Narda Jones, Telecommunications Access Policy Division

Cheryl Callahan, Assistant Chief, Telecommunications Access Policy Division
Sanford Williams, Telecommunications Access Policy Division
James Bachtell, Telecommunications Access Policy Division

III. Estimate of Public Attendance. Approximately 20 members of the public attended the meeting as observers.

IV. Documents Introduced.

(1)   Agenda
(2)   North American Numbering Plan Administration (NANPA) Report to the NANC
(3)   National Thousands Block Pooling Administrator Report
(4)   North American Portability Management (NAPM) LLC Report to the NANC
(5)   Industry Numbering Committee (INC) Report to the NANC
(6)   Billing and Collection Agent Report to the NANC
(7)   Billing and Collection Working Group (B&C WG) Report to the NANC
(8)   NANC Operating Manual - Final
(9)   Local Number Portability Administration (LNPA) Working Group Status Report to the NANC
(10)   Numbering Oversight Working Group (NOWG) Report
(11)   NANC Report of the pANI IMG
(12)   A Uniform Numbering Scheme for VRS Users and Providers Report
(13)   A Uniform Numbering Scheme for VRS Users and Providers Letter
(14)   LNPA WG Position Paper
(15)   International Telecommunications Union Study Group 2
(16)   International Telecommunications Union Overview
(17)   List of NANC Accomplishments (January 2002 – January 24, 2006)

V.   Summary of the Meeting.

A.   Approval of Meeting Minutes. The November 30, 2005 NANC Meeting Minutes will be approved electronically.

B.   North American Numbering Plan Administrator (NANPA) Report to the NANC. John Manning, NANPA, presented the report to the NANC.

Central Office Code (CO) Activity Status Report. Mr. Manning reviewed a chart reflecting a comparison of CO Code activity in 2005 with 2004. He reported that the NANPA assigned 3,312 codes in 2005 versus 3,128 codes in 2004. In 2005 assignments increased approximately 180 codes. Returned codes in 2004 and 2005 were basically the same. Net assignments in 2004 were 2,144; in 2005, they were 2,307.

Mr. Manning stated that the NANPA makes available a number of central office code reports via its website (www.nanpa.com). He further indicated that these reports provide real-time as well as daily and monthly reports on central office code assignment activity.

Numbering Plan Area (NPA) Inventory. Mr. Manning reported that the NANPA assigned two NPA codes in 2005: NPA 730 for Illinois and NPA 762 for Georgia. In addition, NPA 835 in Pennsylvania was returned to the NPA inventory and reserved for relief for the 484/610 overlay.

Two area codes have gone into service (829 in the Dominican Republic and 769 in Mississippi). For NPA 769, no CO Code assignments will be made until the 601 NPA exhausts. Looking back over the past five years, 2 NPAs were placed in service in 2004, 3 NPAs in 2003, 9 NPAs in 2002, 26 NPAs in 2001 and 14 in 2000.

NPA Relief Planning. Mr. Manning reported that there are 4 NPAs currently projected to exhaust within the next 12 months. A summary of their relief planning status is provided below:

- CA 310 – Permissive 7D or 1+10D dialing started December 31, 2005, and mandatory 1+10D dialing starts July 26, 2006. Codes from the new 424 NPA will be effective August 26, 2006.
- IL 630 and 815 and GA 706 have approved relief plans in place.

Mr. Manning reported that the NANPA will be starting two new relief projects - NM 505 and IN 812. Relief planning is scheduled to begin in March 2006.

NRUF Reporting. The February 1, 2006 NRUF submission cycle is underway. Per the FCC Numbering Resources Optimization Order (NRO Order), FCC 00-104, carriers must report numbering utilization and forecast data on a semi-annual basis to the NANPA.

Carriers are to report utilization data as of December 31, 2005 and forecast data for the next 5 years, with Year 1 on all forecast forms referring to resources needed for 2006. The February 1, 2006 NRUS (Form 502) is due on or before close of business on Wednesday, February 1, 2006.

2005 NANPA Annual Performance Survey. The 2005 NANPA Performance Survey, along with the associated cover letter, was posted to the NANPA website (www.nanpa.com) on January 3, 2006. A notice was distributed via NAS NANP Notification System (NNS). Responses are due February 28, 2006.

C.   Presentation by the National Thousands-Block Pooling Administrator (PA).
Amy Putnam, NeuStar, presented the report to the NANC. Ms. Putnam reviewed the PA Activity Report for January 2005 through December 2005. She reported that the total number of blocks assigned in 2005 was 55,990 as compared to 2004 which was 37,403. Ms. Putnam advised that December 2005 was the eleventh highest month for Part 3's processed.

Ms. Putnam reported that the PA opened 945 CO Codes for LRNs; 135 Co Codes for Dedicated Customers; and 1,305 Co Codes for Pool Replenishment.

<u>Status of Change Orders:</u>

- Change Order No. 44 – INC Issue 458: Contaminated or Pristine Assigned Block Returns – New.
- Change Order No. 45 – PAS User Suggestions from the NOWG 2005 Survey – New.
- Change Order No. 41 – NPAC Report One-Time Scrub – Pending before the FCC.
- Change Order No. 43 – Update Appendix 1: Thousands-Block Forecast Report Directions – Pending before the FCC.
- Change Order No. 42 – NOWG Request for Month Meeting with the PA – Withdrawn.

The Pooling Administration System (PAS) availability for December 1, 2005 – December 31, 2005 was 99.9%. There were issues with a Secure HTTP Log File. The PA instituted a process to prevent future occurrences.

PAS improvements related to Change Order No. 37 (Reducing the Aging Period for Blocks from 90 Days to 45 Days) became available December 12, 2005.

The PA completed the one-time scrub comparing the PAS block inventory with codes opened in the NPAC.

The PA continues to participate in meetings with regard to pseudo Automatic Number Identification (pANI) administration.

Ms. Putnam reported on the Hurricane Disaster Recovery Efforts and advised that the PA will no longer provide reports because there has been no activity since mid-November 2005.

The NOWG Survey and 2005 Performance Evaluation has been posted to the PA website.

Ms. Putnam reported that the PA completed its Disaster Recovery Plan testing. She indicated that the test was successful.

D.   North American Portability Management LLC (NAPM LLC) Report. Mel Clay, Co-Chair, presented the report to the NANC.

Mr. Clay reported that the NAPM LLC held elections on December 1, 2005 for the positions of Co-Chair for a 2-year term; Secretary for a 1-year term; and Treasurer for a 1-year term. Mel Clay of Bell South was elected Co-Chair, and Tim Decker of Verizon was elected to both the Secretary and Treasurer positions.

Mr. Clay reported that the annual budget for the NAPM LLC for the period April 1, 2006 through March 31, 2006 was approved during the December 1, 2005 NAPM LLC meeting.

E.   Industry Numbering Committee (INC) Report. Ken Havens presented the report to the NANC. Mr. Havens reviewed the INC Meeting Schedule with the NANC.

<u>Issues Remaining in Initial Pending.</u> The following INC Issues remain in initial pending:

- INC Issue 407: Treatment of Dedicated Codes for Single Customers in a Pooling Environment.
- INC Issue 475, Thousands-Block Forecast Report Directions.
- INC Issue 486: Pristine Assigned Block Returns.

<u>Issues in Initial Closure.</u> Mr. Havens reported that INC Issue 494, Default Removal of CIC Translations, is in initial closure.

<u>Issues in Final Closure:</u> The following INC Issues are in Final Closure:

- INC Issue 459: Request to Consolidate Country Code 1 Number Assets of the United States Department of the Navy for a Newly Issued Area.
- INC Issue 488: Add Dedicated Code Field to Part 1.
- INC Issue 491: NANPA Notification of Tariff Changes Impacting Rate Center Structures.
- INC Issue 495: Revisions to Section 6.3.2 of the Central Office Code Assignments Guidelines (COCAG) and Section 9.1.1 of the Thousands-Block Number Pooling Assignment Guidelines (TBPAG).
- INC Issue 498: Extended Permissive Dialing Periods.

Chairman Atkinson advised that he will follow-up with the FCC on the status of INC Issue 407.

Mr. Havens reported that he was re-elected to serve another two-year term on the INC as INC Chair, and Adam Newman was re-elected to serve another two-year term as the INC Vice Chair.

F.   Billing and Collection Agent (B&C Agent) Report. Garth Steele, Welch and Company LLP, presented the report to the NANC. Mr. Steele reported that as of December 31, 2005, the fund balance was $5,027,539, total assets was $6,972,955, less accrued liabilities of $1,945,416. The assets in the fund as of December 31, 2005 were made up of a Government Cash Management Fund that earned a rate of return of 3.66% for the month of December 2005.

Mr. Steele reviewed the Makeup of Accrued Liabilities and the Current and Forecasted Liabilities with the NANC. The anticipated fund balance for June 30, 2006 is $1,667,699.

G.   Billing and Collection Working Group (B&C WG). Jim Castagna, Verizon, presented the report to the NANC. Mr. Castagna gave an overview of the activities of the B&C WG's January 16, 2006 meeting.

2006/2007 NANP Budget & Contribution Factor:

- Reviewed last year's contribution factor documentation with Welch and Company.
- Identified various considerations that need to be addressed for 2006-2007 fiscal year.
- Established a time table to ensure timely recommendation for review by the NANC at its March meeting.
- Identified Action Items and Items requiring discussion during future meetings.

2005/2006 Recommendation regarding Treatment of Surplus and Contingency and resulting Contribution Factor:

- Implement Option 1B (fiscal year 2005-2006)
    - Use up the entire projected fund surplus of $5,678,531.
    - Set the Contingency amount to $1,000,000.
    - Implement a Contribution Factor of 0.0000046.

- Primary Rationale
    - Uses surplus to fund most of next year's budget, providing the benefit of significantly lower payments.
    - Contingency is the same as in the past and provides a buffer for the Fund should conditions change.
    - Future contribution factors anticipated to be around 0.000025 in subsequent years thus providing long term stability.

Actions Items:

- Welch & Company
    - Consult with FCC regarding:
        - PA Contract
        - pANI Administration (new function)
        - Carrier Audits Budgeting Needs
    - Provide B&C WG:
        - Financial Analysis of revenue, expenditures, forecasted liabilities, etc.
        - Impact of "alternatives" to handling contingency and anticipated funding needs on the 2006/2007 contribution factor.
        - Draft FCC filing (one week prior to filing) that addresses the NANC's recommendation.

2006/2007 Considerations:

- PA Contract Ends in June 2006.
- pANI Administration.
- Carrier Audits Funding Level Currently at $700,000 per annum.
- Forecasted Surplus about $600,000 at the end of the fiscal year.
- Current Contingency set at $1,000,000.
- Changes in the Contribution "Base".

Actions Items:

- Billing and Collection Working Group
    - Advise Welch and Company on items/issues that may impact budget, e.g., pANI Administration.
    - Consider impact of items/issues upon budget and what to do to ensure fund sufficiency.
    - Identify various approaches for computation by Welch and Company so that the B&C WG can recommend one alternative to the NANC.
    - Provide the NANC with their recommendation with reasoning why it's the best approach.

H.   NANC Operating Manual Ad Hoc Committee (Ad Hoc Committee) Report.
Rosemary Emmer, Sprint Nextel, presented the report to the NANC. Ms. Emmer stated that the final draft of the NANC Operating Manual has been completed. She advised that the changes that were discussed at the November 30, 2005 NANC meeting have been made. Ms. Emmer indicated that as of this morning, there is a group that wants to make a couple of changes to its section. She requested that the NANC provide a date that it would like to have the Operating Manual completely final in order that it may be posted to the NANC-Chair website. Ms. Emmer stated that once the date has been established, the Ad Hoc Committee would like to establish how the document will be upgraded going forward.

It was decided that all comments and/or changes should be emailed to Ms. Emmer or Ms. O'Donnell within the next two weeks. As of February 13, 2006, the Operating Manual will be the official document and will be posted on the NANC-Chair website. Ms. Emmer stated that Ms. O'Donnell had indicated that she is willing to be the contact person for upgrading the document on a going forward basis. Chairman Atkinson stated that after February 13, 2006, he will take responsibility for looking at the document periodically to see if it is up-to-date. Ken Havens indicated that the INC will establish a link to the document on the INC website.

I.   Local Number Portability Administration Working Group (LNPA WG).
Gary Sacra, Co-Chair, presented the report to the Council. Mr. Sacra stated that the NPAC Software Release 3.3 contains enhancements including an increase to SOA interface throughput, improvements to the recovery process, and changes to the conflict progress to mitigate inadvertent ports. The project plan milestones and deliverables are

on schedule. Service provider turn-up testing began on January 3, 2006 and is proceeding on schedule. No major testing issues have been identified to date. The current production load dates remain on schedule.

Mr. Sacra reported that the Disaster Preparation Sub-team of the LNPA WG submitted the Interim Report on Out of LATA Porting and Pooling for Disaster Relief after Hurricane Katrina. The Sub-team is going to develop a final report with a target date of 2Q06. The Final Report will focus on areas that include:

- Cleanup-Restoration effort
- Further Lessons Learned
- LNP-related and non-LNP-related alternatives to porting/pooling outside the LATA
- 2Q06 target date for the Final Report

Mr. Sacra stated that a request was made by a participant that the LNPA WG discuss the current voting structure and consider allowing wireless companies that are also associated with wireline companies to have a separate and equal vote in the Working Group. He advised that the LNPA WG had further discussion of that request at its December 2005 meeting. Mr. Sacra indicated that no consensus was reached to change the current voting process. He further indicated that the LNPA WG reinforced that the voting process is to be used only when applicable, e.g., NANC Change Order prioritization, and the consensus process is to be used for most activity where everyone gets a voice during the discussion.

The LNPA WG has begun the process of developing detailed functional requirements for the current pool of accepted NANC Change Orders. The first step was to identify the level of interest among service providers for the current pool of Change Orders.

In 2006, the LNPA WG will meet every other month, during the same months that the NANC meets. Continuing evaluation will determine if interim conference calls are needed or if the decision to meet every other month should be revisited.

Mr. Sacra reported on a new Problem Identification and Management (PIM) item regarding Unusable 1K Blocks. This PIM was opened on November 15, 2005. It was submitted by Sprint Nextel and seeks to address issues related to carriers receiving 1K blocks from the pool in which the Intra-Service Provider ports have not been completed by the donor provider prior to block donation to the pool.

The LNPA WG has drafted a liaison to the INC requesting revisions to the block donation form in the form of questions prompting the donating service provider to perform any necessary Intra-Service Provider ports, if applicable, and to protect numbers in the block to be donated from further assignment by the donating provider.

J.   Numbering Oversight Working Group (NOWG) Report. Rosemary Emmer, Sprint Nextel, presented the report to the NANC.

NeuStar Organizational Structure Change/NOWG Feedback. Ms. Emmer stated that on January 9, 2006, NeuStar notified the Wireline Competition Bureau, FCC, via letter, regarding notice of the resignation of one member on the NeuStar Board of Directors. Dr. Henry Kressel resigned from the NeuStar Board effective December 31, 2005. Chairman Atkinson directed the NOWG to consider this notification on behalf of the NANC the same day. The NOWG was tasked with providing feedback to the NANC during the January 24, 2006 NANC meeting of any issues or concerns regarding the contents of this notification. The NOWG has socialized this resignation and has no issues or concerns regarding the neutrality of the organizational change.

PA Change Order Recommendations:

- PA Change Order No. 44 – New Change Order submitted on December 7, 2005. It is a result of final closure on INC Issue 486 to add a remarks field to the Part 1A form in the PAS so that a service provider can indicate whether or not a block is pristine or contaminated when returning it. The NOWG recommended that this Change Order be approved with the remarks field being 1024 characters as specified by the PA in their response to the NOWG dated December 9, 2005. This recommendation was provided to the FCC on December 28, 2005.
- PA Change Order No. 45 – New Change Order submitted on December 28, 2005. It is a result of comments from the PA 2004 Performance Review conducted by the NOWG. It is comprised of four suggestions from the PAS users that should be incorporated into the PAS to improve the functionality of the existing system. The NOWG recommended that this Change Order be approved as written. This recommendation was provided to the FCC on January 12, 2006.

An issue was brought up indicating that vendors should be made aware of Change Orders that could impact their product and the number administrations of their clients. It was suggested that, at a minimum, the information should be posted on a website. Ms. Emmer indicated that the NOWG is looking into the matter.

Status of NANPA and PA 2005 Performance Evaluation Surveys. The survey process was initiated on January 3, 2006 on schedule. The surveys have been sent to the NANC distribution, the PA and the NANPA have sent exploder email notifications, and the surveys have been posted to the NANPA, PA, and the NANC-Chair websites. The survey response due date is February 28, 2006.

Ms. Emmer reviewed the NANPA and PA Performance Evaluation Proposed Schedule with the NANC.

2006 NOWG Co-Chair Positions. The NOWG reached consensus to add a third co-chair to the NOWG. The term for this new co-chair position is for two years, which began on January 1, 2006. The one year term co-chair position that was previously held by Rosemary Emmer was also up for re-election. Nominations for both positions were accepted. Natalie McNamer, T-Mobile, was nominated for the new co-chair position,

and Rosemary Emmer was nominated to continue her current role. No other nominations were presented. Natalie McNamer and Rosemary Emmer were named to these respective roles by acclimation on December 15, 2005.

K.   pseudo Automatic Number Identification IMG (pANI IMG) Report. Karen Mulberry, Co-Chair, presented the report to the NANC. Ms. Mulberry reported that the work continues on the permanent pANI Administration recommendation for the NANC. The pANI IMG has reached consensus on four of the guiding principles and policies associated with a permanent pANI administration. Another two issues are pending consensus along with three issues that are under development. The INC continues to follow the progress of the pANI IMG in preparation for the development of the permanent pANI Guidelines. The pANI IMG recommendation is expected to be finalized and sent to the NANC for its consideration at the March 14, 2006 NANC meeting.

Cheryl Callahan, Assistant Chief, Telecommunications Access Policy Division, questioned whether the guidelines are going to be formatted in the same fashion as the Technical Requirements for the NANPA and the PA. Ms. Mulberry responded not at this time. She indicated that it could be taken under consideration if requested. Ms. Mulberry stated that it is hoped that when the permanent recommendations and the interim guidelines are put together, there will be a complete package for the Technical Requirements.

Ms. Mulberry reported that the pANI IMG reached consensus on:

- Shared use of pANIs across all Eligible Users.
- Need for the Selective Router Common Language Location Codes (CLLI Codes) use on pANI Request Form.
- Definition of Eligible User for all pANI Codes.
- All pANI assignments to be made by the permanent pANI Routing Number Authority (RNA)

The following items are pending:

- The inclusion of wireless in the pANI process.
  - Migration from dial able to non-dial able pANI Codes.
  - Transition policy.
- Reporting and Reclamation of pANI Codes.

The following is under development:

- Assignment qualifications.
- Impact on NXX's 211 and 511 for pANI Code assignments and number exhaust.
- Administrative validation formula for pANI assignments.
  - Waiting on input requested from ATIS Emergency Services Information Forum (ESIF).

Ms. Mulberry stated that the pANI IMG is concerned about the current status of the following NANC recommendations to the FCC:

- Recommendation on the Interim pANI Assignment Guidelines for ESQK.
- Recommendation that Pooling Administrator be the Interim Routing Number Authority (IRNA).
- Recommendation that the permanent pANI Administrator responsibilities be included in the FCC's next Pooling Administrator Contract Bid.

Ms. Mulberry expressed concern regarding whether some of the assumptions that the pANI IMG has made up to this point have been correct or not. She indicated that it would impact the IMG's work going forward in terms of a permanent administrator. Ms. Mulberry stated that if the IMG's thoughts in terms of the interim process were flawed, the IMG would like some feedback. The IMG would like to know whether it should continue moving forward in the direction that it is going or if it should revise its strategy approach process.

Ms. Callahan responded that she does not have any feedback at this time. Chairman Atkinson advised the IMG to continue its work. He stated that if there are any concerns about the direction in which the IMG is going, it should be communicated to Ms. Mulberry or Mr. Knox.

Ms. Mulberry reviewed the pANI IMG Meeting Schedule with the NANC.

Chairman Atkinson commended the members of the pANI IMG for all of its hard work.

L.   Report by Karen Strauss: A Uniform Numbering Scheme for Video Relay Service (VRS) Users and Providers. Karen Strauss, Communication Service for the Deaf, Inc. (CSD), provided the background and an overview for VRS and the reason for CSD's request for assistance to the NANC. Mark Ekse, CSD, provided technical discussion for VRS.

Ms. Strauss stated that the Americans with Disabilities Act of 1990 required all common carriers to provide telecommunications relay services between people who are deaf, hard of hearing, or speech disabled and people that are able to hear. She further stated that these services used to entail text communication.

Ms. Strauss stated that at the end of the last century, new technology was created called Video Relay Services (VRS). VRS is authorized by the Americans with Disabilities Act, and in 2000, was approved by the FCC for compensation from the National Carriers Exchange Administration. VRS enable individuals who use American sign language to communicate via the Internet through remote sign language interpreters and video equipment installed at their premises.

Unlike the voice telephone network, VRS users are presently not linked to a uniform numbering scheme. There is no consistent way for users of these services to identify and

access other users in a manner that compares with callers whose end-user contact information is linked to the North American Numbering Plan (NANP). Instead, there are several identifications systems used by the existing eight VRS providers, forcing VRS users to list multiple ways of receiving VRS calls if they want return calls back from hearing individuals. The resulting complex and confusing arrangement discourages calls from hearing persons, who must have specific provider information and extensions in order for their calls to be properly routed to all of their deaf contacts.

Currently, there is no uniform means of "dialing" a video user across providers. Although VRS users have IP addresses, these are dynamic – because they are constantly changing and are unreliable for making routine or emergency calls. Static IP addresses are expensive and often unavailable to residential users. In order for VRS to be functionally equivalent to voice telephone services, deaf and hard of hearing individuals, using video broadband communication, need uniform and static end-point numbers linked to the NANP that will remain consistent across all VRS providers, so that they can contact one another and be contacted to the same extent that PSTN and VoIP users are able to identify and call one another. CSD requests that the NANC support dialing uniformity for VRS and point-to-point video users.

Mr. Ekse provided the technical discussion for VRS with the NANC.

After extensive discussion, it was decided that the NANC will look at the issue and see what it can do. The INC will look at it from a technical and operational point of view. Chairman Atkinson stated that if the INC can bring a recommendation to the NANC indicating how this should work, the NANC should be able to get an endorsement for what it can recommend to the FCC.

M.   Report by Karen Mulberry: Update on Developments at International Telecommunications Union Study Group 2 (ITU SG-2). Karen Mulberry, Verizon, presented the report to the NANC. Ms. Mulberry stated that ITU SG-2 focuses on numbering related issues. The study period right now is 2005 – 2008. It is the lead ITU Study Group that addresses:

- Service definition.
- Numbering, naming, addressing requirements and resource assignment.
- Routing.
- Human factors.
- Performance and operational aspects of networks.

SG-2 is divided into seven questions:

- Q.1   Application of Numbering, Naming, and Addressing Plans for telecommunications and Service and Operational aspects of numbering, including service definition.
- Q.2   Routing and Interworking Plans for Fixed and Mobile Networks.

- Q.3   Human factors related issues for improvement of the quality of life through international telecommunications.
- Q.4   Operational Aspects of Telecommunication Network Service Quality.
- Q.5   Network and Service Operations.
- Q.6   Traffic engineering for mobile communications.
- Q.7   Traffic engineering.

Ms. Mulberry advised that the ITU maintains information collected from National Administrations regarding their numbering plan changes on the following website: http://www.itu.int/ITU-T/inr/nnp/index.html.

SG-2 December 2005 Meeting. The meeting was attended by about 70 delegates from 34 countries. In the United States, the delegation is lead by the State Department as the spokes person. The SG-2 addressed modifications to existing recommendations as well as proposals for new recommendations. SG-2 approved the following recommendation: E.910 – Procedures for the Registration within the Domain ".int" (E.int).

The following recommendations were revised during the December 2005 SG-2 meeting and are up for approval at the May 2006 meeting:

- E.118 - The international telecommunication charge card.
- E.152 - The international freephone service.
- E.156 - Procedures to determine ITU action on reported misuse of E.164 number resources (E.misuse).
- E.164.1 - Criteria and procedures for the reservation, assignment and reclamation of E.164 Country Codes and associated Identification Codes (ICs).

Misuse of E.164 Numbering Resources:

- Numbering resources are allocated, structured and their use defined by a series of ITU-T Recommendations.
- Recommendations and guidelines for international telecommunication numbering, naming, addressing and identification resources should be known, recognized and applied by all and used to build and maintain confidence of all in the related services.
- However in some cases the use of numbers allocated by the ITU may not be in accordance with those Recommendations.
  - For example, SG2 has been made aware that such resources are being used in rogue software that accesses the Internet via international numbers without the full knowledge of customers (so-called web dialers). As a consequence, dissatisfaction amongst Sector Members' customers has increased and complaints have been sent to both operators and regulators.
- Member States and Sector Members are being asked to notify the ITU of potential misuse of numbering resources so that appropriate action can be taken.

SG-2 Recommendations under Development:

The following proposed Recommendations will be worked by SG-2 at its May 2006 meeting:

- E.A-ENUM- Principles and procedures for the administration of E.164 Country codes for registration into the Domain Name System.
- E.A-N/GoC - Principles and procedures for the administration of E.164 Country codes for ICs and GICs for registration into the Domain Name System.
- E.tdr - Communications for Disaster Relief.
- E.ets - Interworking framework for national implementations of Emergency Telecommunication Service (ETS).
- E.def - Internet Definitions.
- E.212 Annex A - Criteria and procedures for the assignment of E.212 MCCs.
- E.129 Dissemination of National Numbering and Global Numbering Resources.
- E.id-def – Definitions.
- E.164 - Supplement 2: Number Portability.

Ms. Mulberry reviewed the SG-2 Meeting Schedule with the NANC.

Chairman Atkinson asked Ms. Mulberry to keep the NANC apprised of anything that might intersect with the NANC's workload.

M. **List of NANC Accomplishments.** The NANC members reviewed the List of NANC Accomplishments.

O. **Public Participation.** None.

Next Meeting: March 14, 2006

ACTION ITEMS – January 24, 2006 NANC Meeting

1. **CHAIR:**
   Send follow-up letter to FCC re: Status of INC 407 issue (sent to FCC in February 2005).

2. **ALL:**
   Provide edits/comments to the draft NANC Operating Manual to Rosemary Emmer by February 13, 2006.

3. **CHAIR:**
   After Operating Manual is "final," assume responsibility for periodic review and updating.

4. CHAIR:
Determine how the work schedule of the FCC's Hurricane Katrina task force correlates with the LNPA WG's schedule for completing its recommendations.

5. INC
Take the lead in developing a technical response/recommendation regarding Video Relay Service interoperability issue raised during the NANC meeting.